



BOSTIK 1782 (CLEAR)

SOLVENT BASED ADHESIVE

KEY FEATURES

- Good chemical & temperature resistance
- Bonds many substrates
- Colourless in a dry film

DESCRIPTION

Bostik 1782 is a general purpose adhesive, the dried film of which is virtually colourless and non-staining. **Bostik 1782** is of medium viscosity and provides a strong bond which has good chemical and temperature resistance and excellent ageing properties.

RECOMMENDED USE

Bostik 1782 has many industrial uses and is particularly suitable for bonding leather, metals, wood, canvas, PVC and other plastics. It is widely used in the manufacture of toys, leather goods, furniture, upholstery, jewellery, many kinds of plastic-ware, etc.

The UK Ministry of Defence quality assurance and release document relating to **Bostik 1782** is AFS 265D - **this specification does not apply to material supplied in tubes**

NOTE: To obtain enhanced bond properties with better resistance to high temperatures, oil, petrol and kerosene **Bostik 1782** may be used in conjunction with **Bostikure D curing agent** as a two part, cold curing adhesive system.

IMPORTANT

Before embarking on any work involving **Bostik 1782** the safety data sheet should be carefully studied by those carrying out the work.

BSI STANDARDS



METHOD OF USE

SURFACE PREPARATION

- Surfaces must be dry, clean and grease free. If they are non-porous, smooth or glossy, they may be cleaned by abrading the surface with clean emery cloth or by using **Bostik cleaner 7**
- Rubber surfaces should be abraded, as the use of solvents for cleaning these does not give entirely satisfactory results.
- Thick plastic sheets should be abraded.
- Porous surfaces may not need cleaning, but must be dry, grease free and firm.

ADHESIVE PREPARATION

When using as a two part system with **Bostikure D** the mix ratio is 100 parts of adhesive to 6 parts of **Bostikure D** (by weight) or by taking:

Bostik 1782

1 litre tin
5 litre tin

Bostikure D

D40 bottle
D200 bottle

The pot life of the mixed adhesive in a closed container is approximately 8 hours at normal room temperatures.

APPLICATION TECHNIQUES

Brush - The adhesive must be applied evenly to the surface being coated.

Spraying - Dilute with **cleaner 7** or **cleaner 6** for application by suitable spray equipment. This equipment must be thoroughly cleaned at the end of the day.

Roller coating - **Bostik 1782** can be used in some roller coaters, but in general it is necessary to dilute with **cleaner 7** or **cleaner 6**

Knife blade spreader - **Bostik 1782** can be used as supplied in certain types of knife blade spreaders.

On some porous surfaces, a single application may be insufficient and a multi-coat application technique should be used. Intermediate coats should be allowed to dry for about 30 minutes, but the final coat should have the normal 5 to 10 minutes drying time.

BONDING METHODS

Five bonding methods may be used

Two way dry stick

- Apply an even film of the adhesive to both surfaces by one of the techniques detailed under "application techniques".
- Allow the two films to dry for 5 to 10 minutes or until they can be touched with the knuckles without any adhesive being transferred.
- Join the surfaces, taking care not to trap any air and using as much pressure as possible.

One way wet stick

- Apply the adhesive to one surface only and bond immediately using as much pressure as possible.
- This will give a lower initial bond strength than the two way dry stick, maximum bond strength being attained in 3 to 7 days. T
- This technique can only be used where one or both surfaces to be joined are porous.

One way semi-wet stick

- For use with very thin plastic sheeting that is curled by the action of the adhesive.
- Apply the adhesive to the surface to which the sheet will be bonded and allow to dry for approximately 4 minutes.
- The plastic sheeting is then rolled on to the semi-wet surface, using as much pressure as possible.

Heat Activation

- Apply the adhesive to both surfaces and allow to dry completely.
- The coated surfaces may be left for several days providing they are kept clean and dry.
- Either heat both surfaces to 100°C and bond together immediately under pressure, or place the joined surfaces in a heated press at 100°C for 1 to 2 minutes.

Solvent Activation

- Apply the adhesive to both surfaces and allow to dry completely.
- The coated surfaces may be left for several days providing they are kept clean and dry.
- Activate both surfaces by brushing or spraying with **cleaner 7**.
- Allow approximately 30 seconds for solvent evaporation and then bond under pressure

| TYPICAL CHARACTERISTICS | |
|--|---|
| Physical form | Mobile liquid |
| Colour | Colourless |
| Chemical type | Nitrile rubber/resin solution |
| Odour | Ketonic |
| Solvent | Mixture of Ketones |
| Flash Point (closed cup) | In the group -18°C to -7°C |
| Flammability | Highly Flammable |
| Viscosity, Brookfield RVT, 10rpm at 25°C [mPa.s] | Approx. 10000 in tins Approx. 3300 in tubes |
| Solids content [%] | Approx. 30 in tins Approx. 25 in tubes |
| Relative density | Approx. 0.9 |
| Coverage | Approx. 2.8m ² per litre (1.4m ² per litre bonded area) but can vary with material being bonded |
| Temperature resistance | -40 to +80°C (-40 to +100°C when cured with Bostikure D) |
| Water resistance | Good |
| Oil, petrol & kerosene resistance | Good, but will not withstand prolonged immersion. (Very good when cured with Bostikure D) |
| Solvent resistance | Good to intermittent contact with alcohols. Not resistant to ketones & esters |
| Dilute acid & alkali resistance | Good |
| Cleaner | Use cleaner 7 for surface cleaning, the removal of surplus adhesive and for cleaning application equipment |

PACKAGING

Please refer to Customer Service Department for current pack sizes.

STORAGE

Store in original sealed containers in a dry, well ventilated, flameproof place between 5 – 25°C.

SHELF LIFE

At least 12 months from date of manufacture, under the above conditions of storage.

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SMART HELP

Please contact your local representative

